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|     | TRAN   | ISMITTAL LETTER TO THE UN   |                             | ATTORNEY'S DOCKET NUMBER     |  |  |  |  |  |  |  |  |  |  |
|-----|--|---|-----------------------------|------------------------------|--|--|--|--|--|--|--|--|--|--|
|     |  | SIGNATED/ELECTED OFFICE   |                             | 095309.57572US               |  |  |  |  |  |  |  |  |  |  |
|     |  | ERNING A SUBMISSION UNDE  |                             | U.S. APPLICATION NO.         |  |  |  |  |  |  |  |  |  |  |
| INT | ERNATIO  | ONAL APPLICATION NO. PCT/EP2004/011019  | INTERNATIONAL FILING        | S DATE<br>e <b>r 2, 2004</b> | PRIORITY DATE CLAIMED October 14, 2003                                       |  |  |  |  |  |  |  |  |  |
| TIT | TITLE OF INVENTION   |   |                             |                              |  |  |  |  |  |  |  |  |  |  |
|     |  |   | AILER TRAIN WITH SI         | GNAL TRANSFORMER             | COIL   |  |  |  |  |  |  |  |  |  |
| API | APPLICANT(S) FOR DO/EO/US Ottmar GEHRING, et al.   |   |                             |                              |  |  |  |  |  |  |  |  |  |  |
| Ap  | plicant h  | nerewith submits to the United States De  |                             |                              | g items and other information:   |  |  |  |  |  |  |  |  |  |
| 1.  | $\boxtimes$  | This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.  |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 2.  |  | This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.   |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 3.  | $\boxtimes$  | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.             |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 4.  | $\boxtimes$  | The US has been elected (Article 31).   |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 5.  | $\boxtimes$  | A copy of the International Application as filed (35 U.S.C. 371(c)(2))  |                             |                              |  |  |  |  |  |  |  |  |  |  |
|     |  | a. is attached hereto (required only if not communicated by the International Bureau).  |                             |                              |  |  |  |  |  |  |  |  |  |  |
|     |  | b. 💢 has been communicated by the International Bureau.   |                             |                              |  |  |  |  |  |  |  |  |  |  |
|     | c.  Is not required, as the application was filed in the United States Receiving Office (RO/US). |   |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 6.  | $\boxtimes$  | An English language translation of the  | International Application   | n as filed (35 U.S.C. 371)   | (c)(2)).   |  |  |  |  |  |  |  |  |  |
|     | _  | a. is attached hereto.  |                             |                              |  |  |  |  |  |  |  |  |  |  |
|     | b. has been previously submitted under 35 U.S.C. 154(d)(4).                                      |   |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 7.  | П  | Amendments to the claims of the Inter-  | national Application und    | er PCT Article 19 (35 U.S    | S.C. 371(c)(3))  |  |  |  |  |  |  |  |  |  |
|     |  | a. are attached hereto (required only if not communicated by the International Bureau).   |                             |                              |  |  |  |  |  |  |  |  |  |  |
|     |  | b. have been communicated   |                             |                              |  |  |  |  |  |  |  |  |  |  |
|     |  | c. have not been made; how  | ever, the time limit for m  | aking such amendments        | has NOT expired.   |  |  |  |  |  |  |  |  |  |
|     |  | d. have not been made and v   |                             |                              | ·  |  |  |  |  |  |  |  |  |  |
| 8.  |  |   |                             | ms under PCT Article 19      | ) (35 U.S.C. 371(c)(3)).   |  |  |  |  |  |  |  |  |  |
| 9.  |  | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 10. | $\boxtimes$  | An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).                                |                             |                              |  |  |  |  |  |  |  |  |  |  |
|     | Item   | s 11 to 20 below concern document(s   | ) or information includ     | ed:                          |  |  |  |  |  |  |  |  |  |  |
| 11. | $\boxtimes$  | An Information Disclosure Statement (2006; (Four (4) pages) and Seven (7)   |                             |                              | nternational Search Report dated January 20, d May 5, 2004; (Two (2) pages). |  |  |  |  |  |  |  |  |  |
| 12. |  | An assignment document for recording  | g. A separate cover shee    | et in compliance with 37     | CFR 3.28 and 3.31 is included.   |  |  |  |  |  |  |  |  |  |
| 13. | $\boxtimes$  | A preliminary amendment. (Twelve (12) pages including Abstract of Disclosure).  |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 14. | $\boxtimes$  | An Application Data Sheet under 37 CFR 1.76. (Seven (7) pages).   |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 15. | $\boxtimes$  | A substitute specification. (Clean/Marked-Up Version).  |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 16. |  | A power of attorney and/or change of  | address letter.             |                              |  |  |  |  |  |  |  |  |  |  |
| 17. |  | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.   |                             |                              |  |  |  |  |  |  |  |  |  |  |
| 18. |  | A second copy of the published Interna  | ational Application unde    | r 35 U.S.C. 154(d)(4).       |  |  |  |  |  |  |  |  |  |  |
| 19. |  | A second copy of the English language   | e translation of the interr | national application unde    | r 35 U.S.C. 154(d)(4).   |  |  |  |  |  |  |  |  |  |
| 20. | $\boxtimes$  | Other items or information: Form PCT  | /IB/308, One (1) sheet o    | f drawings showing Figur     | res 1 and 2.   |  |  |  |  |  |  |  |  |  |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## IAP15 Rec'd PCT/PTO 14 APR 2006

J.

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|--|-------------|-----------------------|------------------|---|----------------------------|--------------------------|---------------------------------------|-----------------------|--|--|--|--|--|
|  |             |                       |                  |   | 004/011018                 | <u>'</u>                 | CALCULATIONS                          |                       |  |  |  |  |  |
|  |             |                       | ve been submit   | (a))  | \$30                       | 0.00                     | \$300.00                              | PTO USE ONLY          |  |  |  |  |  |
|  |             |                       |                  |   |                            |                          | \$300.00                              |                       |  |  |  |  |  |
| 22. Examination fee (37 C.F.R. §1.492(c))  |             |                       |                  |   |                            |                          |                                       |                       |  |  |  |  |  |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy   |             |                       |                  |   |                            |                          |                                       |                       |  |  |  |  |  |
| provisions of  | of PCT Ar   | ticle 33(1            |                  |   |                            |                          |                                       |                       |  |  |  |  |  |
| All other situation  |             |                       | \$200.00         |   |                            |                          |                                       |                       |  |  |  |  |  |
| 23. Search fee (37 C.F.R. §1.492(b))   |             |                       |                  |   |                            |                          |                                       |                       |  |  |  |  |  |
| If the written opin  | ion of the  | e ISA/US              | or the Internat  | onal preliminary examina                                      | tion                       |                          |                                       |                       |  |  |  |  |  |
|  |             |                       |                  | ms satisfy provisions of F                                    |                            | \$0                      |                                       |                       |  |  |  |  |  |
| Search fee (37 C   |             |                       |                  |   |                            |                          |                                       |                       |  |  |  |  |  |
| the USPTO  |             |                       |                  |   |                            |                          |                                       |                       |  |  |  |  |  |
| International Sea  | rch Repo    | ort prepar            |                  |   |                            |                          |                                       |                       |  |  |  |  |  |
| All other situation  |             |                       | \$400.00         |   |                            |                          |                                       |                       |  |  |  |  |  |
| 7 th Other Stantier  |             | TOTAL                 | \$900.00         |   |                            |                          |                                       |                       |  |  |  |  |  |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding  |             |                       |                  |   |                            |                          |                                       |                       |  |  |  |  |  |
| sequence listing or computer program listing filed in an electronic medium). The fee is  |             |                       |                  |   |                            |                          |                                       |                       |  |  |  |  |  |
|  |             |                       | heets of paper   | or fraction thereof.  |                            |                          |                                       |                       |  |  |  |  |  |
| Total Sheets   | Extra S     | Sheets                |                  | ch additional 50 or fraction                                  | <sup>7</sup>   F           | RATE                     | 0.0                                   |                       |  |  |  |  |  |
| 19 - 100   | 0 /         | 50 =                  | thereof (round   | up to a whole number)   |                            | x 250                    | \$                                    |                       |  |  |  |  |  |
|  |             |                       | the oath or de   | claration later than 30 mg                                    |                            |                          | ,                                     |                       |  |  |  |  |  |
| claimed priority d   |             |                       |                  |   | r                          |                          | \$130.00                              |                       |  |  |  |  |  |
| CLAIMS   |             | NUME                  | BER FILED        | NUMBER EXTRA  | RAT                        | E                        |                                       |                       |  |  |  |  |  |
| Total claims   | ;           |                       | 9 - 20           | 0   | ;                          | x 50                     | \$                                    |                       |  |  |  |  |  |
| Independent cla  | aims        |                       | 4 - 3            | 1   | ,                          | x 200                    | \$200.00                              |                       |  |  |  |  |  |
| MULTIPLE DEP   | ENDENT      | CLAIM(S               | \$               |   |                            |                          |                                       |                       |  |  |  |  |  |
|  |             |                       |                  | TOTAL OF ABO  | VE CALCUL                  | ATIONS =                 | \$1230.00                             |                       |  |  |  |  |  |
| Applicant cla  | ims smal    | Il entity st          | tatus. See 37 C  | FR 1.27. Fees above are                                       | reduced by 1/2             | ź.                       |                                       |                       |  |  |  |  |  |
|  |             |                       |                  |   |                            | STOTAL =                 | \$1230.00                             |                       |  |  |  |  |  |
| Processing fee o   | f \$130.00  | ) for furni           | shing the Engli  | sh translation later than 3                                   | 0 months from              | the                      | · · · · · · · · · · · · · · · · · · · |                       |  |  |  |  |  |
| earliest claimed   | oriority da | ate (37 C             | \$               |   |                            |                          |                                       |                       |  |  |  |  |  |
|  |             |                       |                  |   | TAL NATION                 | AL FEE =                 | \$1230.00                             |                       |  |  |  |  |  |
|  |             |                       |                  | FR 1.21 (h)). The assignm<br>FR 3.28, 3.31). <b>\$40.00</b> p |                            |                          | \$                                    |                       |  |  |  |  |  |
| accompanied by   | an appro    | phate w               | iver sheet (57 C |   | AL FEES ENC                |                          | \$                                    |                       |  |  |  |  |  |
|  |             |                       |                  |   |                            |                          | Amount to be                          |                       |  |  |  |  |  |
|  |             |                       |                  |   |                            |                          | refunded:                             | \$                    |  |  |  |  |  |
|  |             |                       |                  |   |                            |                          | Amount to be                          | £4000 00              |  |  |  |  |  |
|  |             |                       |                  |   |                            |                          | charged:                              | \$1230.00             |  |  |  |  |  |
| a. LA chec   | k in the a  | amount o              | f\$ to cover     | the above fees is enclose                                     | ed.                        |                          |                                       |                       |  |  |  |  |  |
| b. Please  | charge      | my Depo:              | sit Account No.  | 05-1323 (Attorney Dock  | et No. 095309              | 9.57572US                | in the amount of \$ to                | cover the above fees. |  |  |  |  |  |
|  |             |                       | s sheet is enc   |   |                            |                          |                                       |                       |  |  |  |  |  |
| <b>⊠</b> = 0   |             |                       |                  | 1.00  |                            |                          |                                       |                       |  |  |  |  |  |
|  |             |                       |                  | l to charge any additional<br>t No. 095309.57572US).          |                            |                          |                                       | ment to Deposit       |  |  |  |  |  |
|  |             | -1020 (A              | Morney Docke     | (110. 000000.0101200).  | A duplicate (              | op, or a                 | 0.100(10 0.1010000.                   |                       |  |  |  |  |  |
|  |             |                       |                  | WARNING: Information  |                            |                          |                                       | formation should not  |  |  |  |  |  |
| be inc   | luded or    | n this for            | m. Provide cre   | dit card information and a                                    | authorization o            | n PTO-203                | 8.                                    |                       |  |  |  |  |  |
| NOTE: Where a  | n appro     | priate tin            | ne limit under   | 37 CFR 1.495 has not be                                       | een met, a pe              | tition to re             | vive (37 CFR 1.137(a) o               | r (b)) must be filed  |  |  |  |  |  |
| and granted to   | restore t   | he Intern             | national Applic  | ation to pending status                                       | •                          |                          |                                       |                       |  |  |  |  |  |
|  |             |                       |                  |   | 1                          |                          | 1 2 1                                 |                       |  |  |  |  |  |
| SEND ALL COR   |             |                       | TO:              |   | 11/11.                     | ent M                    | Var Viel V                            |                       |  |  |  |  |  |
|  | II & Morir  | •                     |                  |   | MANNINA DUMNINANA          |                          |                                       |                       |  |  |  |  |  |
| •  |             | perty Gro             | oup              |   |                            | SIGNATURE /              |                                       |                       |  |  |  |  |  |
|  | ox 14300    | ر<br>.C. 20044        | 1-4300           |   | Vincent J. Sunderdick NAME |                          |                                       |                       |  |  |  |  |  |
|  | •           | .C. 20044<br>624-2500 |                  |   | 29,004                     | 004<br>GISTRATION NUMBER |                                       |                       |  |  |  |  |  |
|  |             | 528-8844              | MBER             |   |                            |                          |                                       |                       |  |  |  |  |  |
|  | (-5~)       | 50 .4                 |                  | <del></del>   |                            |                          |                                       |                       |  |  |  |  |  |